APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/845,456	04/30/2001	Ankur Gupta	70006695-1	3022

7590 09/09/2004	**EXAMINER**
HEWLETT-PACKARD COMPANY	SIDDIQI, MOHAMMAD A

Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

ART UNIT	PAPER NUMBER
2154	

DATE MAILED: 09/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/845,456	GUPTA, ANKUR
	Examiner	Art Unit
	Mohammad A Siddiqi	2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE **3** MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *30 April 2001*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-24* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-24* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *30 April 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some *   c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1.   Claims 1-24 are presented for examination.

Claim Rejections - 35 USC § 102

2.   The following is a quotation of the appropriate paragraphs of 35

U.S.C. 102 that form the basis for the rejections under this section made in

this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in a patent granted on an application for patent by
> another filed in the United States before the invention thereof by the applicant for patent,
> or on an international application by another who has fulfilled the requirements of
> paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by
> the applicant for patent.

3.   Claims 1-24 are rejected under 35 U.S.C. 102(e) as being anticipated

by Ismael et al. (6,134,581) (hereinafter Ismael).

4.   As per claim 1, Ismael discloses Network management system

comprising a network management master-agent process having

a first interface being adapted to communicate (20, fig 3) with a

network management software (20,fig 3) module using a network

management protocol format (20,fig 3, col 2, lines 9-13 and col 5, lines 25-39);

a second interface being adapted to communicate (20,fig 3) with a plurality of network management (20,fig 3, col 2, lines, 14-26) sub-agent processes using an object-oriented interface description language format (col 3, lines 9-24);

the network management master-agent process further comprising a converting (col 8, lines 26-33) unit for converting a message according (col 3, lines 9-19) to the network management protocol format into the object-oriented interface description language format (col 3, lines 9-19 and col 8, lines 25-44);

a message according to the object-oriented interface description language format into the network management protocol format (fig 3, col 3, lines 9-19 and col 8, lines 25-44).

5.   As per claims 11 and 17, claims 11 and 17 are rejected for similar reasons as in claim 1, above.

6.   As per claim 18, Ismael discloses Receiving the value of the Management Information Base variable (col 8, lines 56-59) from the user application after it processes the request (fig 3 and 8, col 7, lines 8-16);

Sending the response message in the object-oriented interface description language (getter and setter, col 3, lines 9-24) format to the network management master-agent process (fig 3 and 8, col 3, lines 9-24).

7.   As per claim 2, Ismael discloses a network management software module coupled to the network management master-agent process via the first interface (fig 3, col 2, lines 9-50).

8.   As per claim 3, Network management system according to claim 2, wherein the network management software module comprises a graphical user interface for presenting network management information to a user (MIB browser, col 2, lines 54-56 and col 18, lines 56-58).

9.   As per claims 4, 12, and 19, Ismael discloses wherein the network management protocol is the Simple Network Management Protocol or the Simple Network Management Protocol Version 2 (fig 3, col 8, lines 39-44).

10.   As per claims 5, 13, and 20, Ismael discloses wherein the object-oriented interface description language is the Common Object Request Broker Architecture (CORBA technology is the open standard for heterogeneous computing. CORBA complements the Java platform by

providing a distributed object framework, fig 3, col 8, lines 39-67).

11.   As per claim 6, Ismael discloses a plurality of network management sub-agent processes (fig 3) coupled to the network management master-agent process via the second interface (fig 3, col 2, lines 6-26).

12.   As per claims 7, 14, and 21, Ismael discloses one Management Information Base (col 8, lines 56-60) for each network management sub-agent process wherein each Management Information Base is coupled to the network management sub-agent process (fig 3, col 8, lines 25-59);

wherein each Management Information Base (col 8, lines 56-60) is designed for specifying the structure of management information (repository service, col 3, lines 8-24) in terms of the objects to be managed (predefined variables) of an application to be monitored (fig 6, repository service, col 3, lines 8-24).

13.   As per claims 8 and 22, Ismael discloses wherein at least one of the Management Information Bases (col 8, lines 56-60) is defined in the Abstract Syntax Notation code (managed objects, col 1, lines 36-45 and col 3, lines 9-24).

14.   As per claims 9, 15, and 23, Ismael discloses wherein at least one of

the network management sub-agent processes comprises a further

conversion unit for converting data (repository service, col 3, lines 8-24) of a

Management Information Base (col 8, lines 56-59) specified by a user in

Extensible Markup Language format into the Abstract Syntax Notation

format (managed objects, col 8, lines 48-59 and col 1, lines 38-45).

15.   As per claims 10, 16, and 24 Ismael discloses wherein at least one of

the network management agent processes is operated on a Hewlett-Packard

UNIX operating system (col 8, lines 21-23).

Conclusion

16.   The prior art made of record and not relied upon is considered

pertinent to applicant's disclosure:

> U.S. Patent 6,182,153 teaches the application program s
>
> manipulate managed objects specified according to GDMO/ASN.1
>
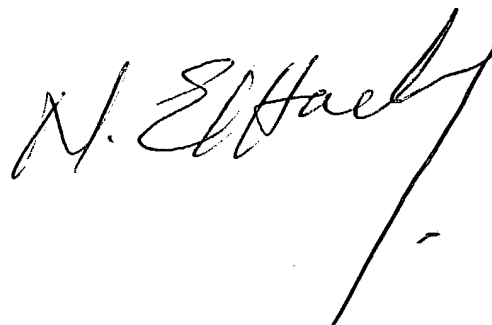> ISO standards.
>
> U.S. Patent 6,282,579
>
> U.S. Patent 6,330,601

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad A Siddiqi whose telephone number is (703) 305-0353. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (703) 305-8498. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MAS